Fachbereich VWL / Department of Economics

EconNewsletter

JULY 15 – JULY 19, 2019   **NEWSLETTER 2019-19**

SEMINAR CALENDAR

Research Seminar "Labour Economics"
Kerstin Schneider, Universität Wuppertal: Monday July 15
Early detection of students at risk: Predicting student dropouts using   16:30-18:00
administrative data and machine learning methods   R. 0029 (VMP 5)

Forschungsseminar "Quantitative Wirtschaftsforschung"
 - no seminar -

HCHE Research Seminar
 - no seminar -

Hamburg Lectures on Law & Economics
 - no seminar -

Environmental and Development Economics
 - no seminar -

PhD Seminar
 - no seminar -

Research Seminar "Microeconomics"
 - no seminar -

Sollten Sie Interesse haben, sich mit einem/r der Vortragenden zu treffen, wenden Sie sich bitte an den entsprechenden Veranstalter. Weitere Infos finden Sie auf unserer Homepage: https://www.wiso.uni-hamburg.de/fachbereich-vwl/forschung/forschungsseminare.html

ABSTRACTS

Research Seminar "Labour Economics"
Kerstin Schneider, Universität Wuppertal:
Early detection of students at risk: Predicting student dropouts using administrative data and machine learning methods

Abstract:
In order to support students who are at risk of dropping out of university, early detection systems are being increasingly developed and used. This also applies to Germany. The systems differ both in the methods used and in the underlying student data. Our benchmark is FragSte, an early detection system for German universities that uses all available administrative student data according to §3 HStatG and applies machine learning methods. In the paper we test, whether less data demanding systems can be developed without significant losses in forecasting quality. It turns out that the data requirements for an early detection system are very high. This is in particular true for the first two semesters, which are of great importance for a successful course of studies. After the second semester, however, an ECTS monitoring might be sufficient.

The next EconNewsletter will be published **on Monday, October 14, 2019.**

Editorial deadline: **Friday, October 11, 2019.**